

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Massoud Kayvanjah

GENERAL INFORMATION:

Name:	The Freeman Corporation
Address:	P.O. Box 96, Winchester, KY 40391
Date application received:	February 27, 2006
SIC/Source description:	2421/Wood Veneer Products Manufacturing
Source ID #:	21-049-00004
Source AI:	811
Activity #:	APE20060001
Permit number:	V-03-043 R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__X_Minor	<input checked="" type="checkbox"/> Synthetic minor
__ Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input checked="" type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

Pollutant	Controlled Total (tpy) w/fugitives	Title V Potential (tpy) w/federally enforceable limits on existing and no fugitives
PM	361.83	$240 + 30.20 = 270.20$
PM <sub>10</sub>	260.42	$240 + 29.80 = 269.80$
SO <sub>2</sub>	17.60	17.60
NO <sub>x</sub>	81.72	81.72
CO	137.26	137.26
VOC	14.93	14.93

**CURRENT PRMITTING ACTION: V-03-043 R1**

The Division received the application for installation of two cyclones (#3 and #4) on February 27, 2006. Cyclone #3 with 77% collection efficiency receives wood processing particulate emissions from emission units EU14b, EU16, and EU18-EU20; and cyclone #4 receives wood processing particulate emissions from emission unit EU32. There will be no significant change in emissions from the addition of these control devices.

**APPLICABLE REGULATIONS:**

Each emissions unit is subject to 401 KAR 59:010, Section 3(2). Particulate matter emissions into the open air shall not exceed  $[3.59(P)^{0.62}]$  lbs/hour, where P is the processing rate in tons/hour. Pursuant to 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not equal or exceed 20% opacity based on a six-minute average.

The permittee shall monitor and record the production rate of sawdust and the production rate of bark from each emission unit on a monthly basis.

**PAST PERMITTING ACTION: V-03-043**

An application for a Title V Operating/Synthetic Minor/Construction Permit, V-03-043, for the Freeman Corporation was received on August 7, 2001. The application includes the following:

- Renewal air permit application for existing sources; and
- The installation of a new Hurst wood-fired boiler, emission unit EU-13.

**SOURCE PROCESS DESCRIPTION:**

The source manufactures wood veneer products. The manufacturing operation includes receipt of logs, storage of logs in an outside log yard, processing of logs in cooking vats, debarking operations, trimming operations, slicing operations, sawing operations, and drying operations. Wood and sawdust waste is burned in three existing wood waste boilers, and wood waste will be burned in one proposed wood waste boiler. In addition, the facility has two natural gas fired boilers for backup steam generation.

**EMISSION AND OPERATING CAPS DESCRIPTION:**

To preclude the applicability of 401 KAR 51:017, the sum of all non-fugitive PM emissions from all existing sources prior to the application completion date of October 7, 2001 shall not exceed 240 tons/yr during any consecutive twelve (12) month rolling total. The sum of all non-fugitive PM<sub>10</sub> emissions, from all existing sources prior to the application completion date of October 7, 2001, shall not exceed 240 tons/yr during any consecutive twelve (12) month rolling total. The source is a PSD major source with the addition of the new boiler, although the addition of the new boiler is not a major modification as defined by 401 KAR 51:017.

**OPERATIONAL FLEXIBILITY:** N/A